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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|             |   |                 |                   |
|-------------|---|-----------------|-------------------|
| Applicant:  | Xiang Dai et al.  | Examiner:       | James M. Mitchell |
| Serial No.: | 10/612,663  | Group Art Unit: | 2813              |
| Filed:      | July 2, 2003  | Docket No.:     | 200308566-1       |
| Title:      | SUPPORTING A CIRCUIT PACKAGE INCLUDING A SUBSTRATE HAVING A SOLDER COLUMN ARRAY |                 |                   |

**CERTIFICATE OF TRANSMISSION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I hereby certify that the following paper(s) are being facsimile transmitted to the U.S. Patent and Trademark Office, Fax. No. (571) 273-8300 on the date shown below:

- 1 Transmittal Letter for Response/Amendment (1 pg.)
- 1 Amendment and Response (18 pgs.)

Date: January 2, 2007

PSG cms

By: 

Name: Paul S. Grunzweig (Reg. No. 37,143)

20 Pages (including cover page)

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HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200308566-1

Inventor(s): Xiang Dai et al.  
Application No.: 10/612,663  
Filing Date: July 2, 2003

Confirmation No.: 5441  
Examiner: James M. Mitchell  
Group Art Unit: 2813

Title: SUPPORTING A CIRCUIT PACKAGE INCLUDING A SUBSTRATE HAVING A SOLDER COLUMN ARRAY

Mail Stop Amendment  
Commissioner For Patents  
PO Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Transmitted herewith is/are the following in the above-identified application:

- ☒ Response/Amendment  
☐ New fee as calculated below  
☒ No additional fee  
☐ Other

- ☐ Petition to extend time to respond  
☐ Supplemental Declaration

Fee\$

| CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY                            |   |   |  |  |             |                           |
|---|---|---|--|--|-------------|---------------------------|
| (1)<br>FOR  | (2)<br>CLAIMS REMAINING<br>AFTER AMENDMENT  | (3)<br>NUMBER<br>EXTRA                      | (4)<br>HIGHEST NUMBER<br>PREVIOUSLY PAID FOR | (5)<br>PRESENT<br>EXTRA                      | (6)<br>RATE | (7)<br>ADDITIONAL<br>FEES |
| TOTAL<br>CLAIMS   | 15  | MINUS                                       | 20   | = 0  | X \$50      | \$ 0                      |
| INDEP.<br>CLAIMS  | 3   | MINUS                                       | 4  | = 0  | X \$200     | \$ 0                      |
| <input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM |   |   |  |  | + \$360     | \$ 0                      |
| EXTENSION<br>FEE  | <input type="checkbox"/> 1st Month<br>\$120 | <input type="checkbox"/> 2nd Month<br>\$450 | <input type="checkbox"/> 3rd Month<br>\$1020 | <input type="checkbox"/> 4th Month<br>\$1590 |             | \$ 0                      |
| OTHER FEES  |   |   |  |  |             | \$                        |
| TOTAL ADDITIONAL FEE FOR THIS AMENDMENT                                   |   |   |  |  |             | \$ 0                      |

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this paper is being  
transmitted to the Patent and Trademark Office  
facsimile number (571) 273-8300.

Date of facsimile: January 2, 2007

Typed Name: Paul S. Grunzweig

Signature: Paul S. Grunzweig

Respectfully submitted,

Xiang Dai et al

By

Paul S. Grunzweig

Attorney/Agent for Applicant(s)

Reg No. : 37,143

Date : January 2, 2007

Telephone : (612) 767-2504

Rev 10/06 (TransAmndFax)

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**EXPEDITED PROCEDURE**  
Examining Group Number 2813

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|-------------|--|-----------------|-------------------|
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**AMENDMENT AND RESPONSE UNDER 37 C.F.R. 1.116**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This Amendment and Response is in reply to the Final Office Action mailed October 31, 2006. Please amend the above-identified patent application as follows: